

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-28. (Canceled)

29 (Currently amended). A purified monoclonal antibody which specifically binds to a patched-2 polypeptide (1) of SEQ ID NO:2 or to a variant thereof of said polypeptide having from 1 to 5 conservatively substituted, added or deleted amino acid residues, and (2) which at least about 95% sequence identity, wherein said patched-2 polypeptide binds to a hedgehog polypeptide.

30 (Previously presented). The antibody of Claim 29, wherein the patched-2 polypeptide comprises amino acid residues 1 to 1203 of SEQ ID NO:2.

31 - 35 (Cancelled).

36 (Previously presented). The antibody of Claim 29 which is humanized.

37 (Previously presented). The antibody of Claim 29 which is bispecific.

38 (Previously presented). The antibody of Claim 29 which is heteroconjugated.

39 (Currently amended). A purified monoclonal antibody which specifically binds to a patched-2 polypeptide (1) of SEQ ID NO:2 or to a variant thereof of said polypeptide having

from 1 to 5 conservatively substituted, added or deleted amino acid residues, and (2) which at least about 95% sequence identity, wherein said patched-2 polypeptide binds to a Smoothened polypeptide.

40 (Previously presented). The antibody of Claim 39, wherein the patched-2 polypeptide comprises amino acid residues 1 to 1203 of SEQ ID NO:2.

41 - 45 (Cancelled).

46 (Previously presented). The antibody of Claim 39 which is humanized.

47 (Previously presented). The antibody of Claim 39 which is bispecific.

48 (Previously presented). The antibody of Claim 39 which is heteroconjugated.

49 (Previously presented). A purified monoclonal antibody which specifically binds to the patched-2 polypeptide encoded by the human cDNA insert of the polynucleotide deposited under ATCC 209779.

50 - 51 (Cancelled).

52 (Previously presented). The antibody of Claim 49 which is humanized.

53 (Previously presented). The antibody of Claim 49 which is bispecific.

54 (Previously presented). The antibody of Claim 49 which is heteroconjugated.